



THE RARA RAG

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Military Radio: WWII-to-Desert Storm

By Bill Marinucci, WB2GHC

Our presenter this month is no stranger to the RARA community. Roy Wildermuth, W2IT, is the Curator of the Military Collection at the Antique Wireless Association (AWA) Museum in Bloomfield, NY. Roy is very knowledgeable on military communications equipment, and has refurbished several radios used for these applications. He will do both an enthusiastic presentation and actual demonstrations of selected portable military radios.

These working radios will cover a range of portable gear used from WWII right up through Desert Storm. My guess is that there is a vast amount of difference over that time period! In addition, Roy will have several examples of units that have been used by the Soviets as well as by the Iraqis. We will have the opportunity to ask Roy questions and perhaps have some actual hands-on time with this equipment.

Time permitting, Roy will also update us on the AWA Museum move to a new location, a pretty large undertaking. For more information on the AWA, please visit their website at www.antiquewireless.org.

Here's a sneak preview for our February meeting: We will discuss the Tesla coil, which is essentially a high-frequency air-core transformer developed by Nikola Tesla around 1891. It will include a live demo!

See you at our January meeting!



This month in the RaRa RAG...

January Program	1
Prez Sez	2
Calendar of Events	3
Letter from the Editor	3
VE Session News	4
Licensing Class	5
RaRa Winterfest	5
New "Ham" TV Show	6
Ham Tech	6
RaRa Academy 4	7
SKYWARN	8
Public Service	8
Scanning Report	9
Club Historian	10
Area Club News	11
RaRa Market Place	13
RaRa Officers	14
Area Club Contacts	14
Directions to Meeting	14

RARA Meeting

Military Radio Gear
January 6, 2012 7:30PM

Henrietta Fire Co. #1
3129 East Henrietta Rd. (15A)



The Prez Sez

By Frank Schramm, WB2PYD
President, RaRa

"The Night Before Christmas", Ham Radio-style (Author Unknown)

'Twas the night before Christmas, when all through the town,
The snowstorm was raging, the phone lines were down;
The wind it did howl, the tree limbs did crack,
I hope that St. Nick isn't forced to turn back.
The wife making cookies, the kids making noise,
While away in the shack, by my rig I was poised.
The finals were glowing, the mike gain was set,
I was chasing DX to see what I could get.
The bands were all empty, the frequencies clear,
Except one lone station that sounded quite near.
He was calling CQ and my interest did pique,
When he ended transmission with the words,
"Old St. Nick".
I answered back quickly, I used great dispatch,
If this were St. Nicholas, good God, what a catch!
We exchanged information, it was really quite graphic,
Then he came back and said,
"I've emergency traffic!"
His reindeer were tired, his elves in a grump,
If he didn't land soon, then his sleigh he would dump.
I thought very carefully, I thought very hard,
Then I gave him directions to my snow covered yard.
As he flew past my window, his hair like a mane,
He reined in his chargers and called them by name:
"Whoa, Anode! Whoa, Cathode! Whoa, Zener! Whoa, Diode!
Stop, Heater! Stop, Grid leak! Stop, Bias! Stop, Triode!
You're flying too low! you're flying too fast!
Look out, you dumb reindeer, his antenna mast!"
So into the backyard the reindeer did drop,
St. Nick, the elves, and the sleigh went kerplop!
Then at the back door, I heard this loud knocking,
"Open up in there, or I won't fill your stocking!"
As I turned off the light and was leaving the shack,
Into the house Saint Nicholas came from the back--
His two-meter rig held to his hip with a strap,
"Hams do it in the shack" on the front of his cap.
The sack that he carried made his aged brow furrow,
And he handed me a card that read,
"QSL Via Bureau".
His clothes were all sooty, from his shoes to his vest;
I felt like a novice taking his test.
His fingers were calloused and from what I could tell,
This came from a straight key that I'll bet he used well.
I offered him coffee, I offered him smokes,
I tried easing the tension by telling ham jokes.
Then he nodded his head and raised up his thumb,
He smiled like an Elmer, did I ever feel dumb.
He grabbed up his sack and went straight for the tree,
And placed in it a large present for me.
When he finished his work, he stood up, took a bow,
Then out the back door to his team he did plow.
But I heard him exclaim as he flew o'er the land,
"Beware the FCC, friend, we were both out of band!"



Rochester Hamfest and Technology Expo Features:

- Weatherproof! – 60,000 square feet of air conditioned indoor flea market & vendors
- Tailgating on pavement
- Close to the Thruway with an on-site hotel
- Indoor setup 7-9 am
- Tailgate setup 6:30 am
- Doors open at 9 am!

Visit the website
(www.RochesterHamfest.com) for
up-to-date and late breaking news
and photos of the new venue!

**Mark your calendars:
Saturday June 30th!**

**FREE Admission for
RaRa Members!**

Have a Happy Holiday, and a
wonderful New Year!

Frank
WB2PYD

For still another version of this famous
story, check out *A Ham's Night Before
Christmas* at the following link (turn
your sound up!):
[http://www.youtube.com/watch?v=c_9
REVC4dtc](http://www.youtube.com/watch?v=c_9REVC4dtc)



Rag-Chew

Editor's Thoughts & Comments
By Kevin Carey, WB2QMY
Editor@RochesterHam.org

Welcome to 2012! I'd like to be among the first to wish you a very happy New Year! As I begin my second calendar year as your editor, I would like to thank you for the support I've received here at the *RARA Rag*. It's great to know that people appreciate the work being done to get the news out each month. Although I focus on the words and content in your newsletter, it is your President, Frank Schramm, WB2PYD, who does the layout work and gives the *Rag* its very nice appearance each month. My thanks to Frank for his fine work. We also have another very dedicated member (who wishes to remain anonymous at this time), who proofreads each and every issue of the *Rag*, hopefully catching the errors that slip through my "primary filter." Finally, we have a team of very dedicated columnists who keep the content interesting.

I would also like to thank the previous editors of the *RARA Rag*, on whose shoulders I stand. I got started in publishing just as computers were revolutionizing the industry, but I also saw some true "cut and paste" work when the expression meant reaching for a pair of scissors and glue (or a wax machine for you real old timers). I mention this because I have an appreciation for what was involved in getting those early editions ready for press! The *Rag* has always been a top notch publication, and when I took over the helm, I was mindful of the high standards set before me. Much has changed over the years, but rest assured that we are committed to providing you with a quality newsletter that carries useful and relevant content. Suggestions and comments for improvement are always welcome, and I can be reached at the e-mail address above.

73, and best DX in 2012.

Calendar of Events

- Jan 6** RaRa General Meeting – 7:30
Henrietta Fire Hall,
3129 E. Henrietta Rd
- Jan 11** RaRa Board of Directors
5:30 PM, RIT
Engineering Hall, Room 2110
- Jan 21** RaRa VE Testing sessions
10:00 AM, RIT
Gleason Hall, Room 3139

New home of the Rochester Hamfest – The Gordon Field house at RIT!!!



RaRa VE Sessions

By Ken Hall, W2KRH

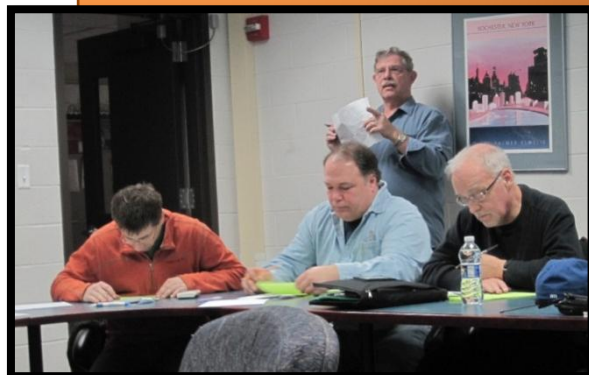
In October we had five Technicians and four General class successful candidates, one of whom passed both the Technician and General exams at one sitting. My congratulations to Forest Schick, KD2AZG for this achievement.

Balbi	KD2AZD (T)
Delle Fave	KD2AZE (T)
Fitzpatrick	KD2AZF (T)
Smith	KD2AZH (T)
Weller	N2SZE (T)
Hennen	KD2AJT (G)
Hildreth	KC2BBT (G)
Ryan	KD2AQE (G)
Shick	KD2AZG (G)

For November we had our usual walk-ins plus the graduates of the RARA license classes. We had a total of 16 successful license candidates broken down as seven Technicians, five General and four new Extra class licensees.

Dutcher	KD2BDZ (T)
Enders	KD2BEA (T)
Fioravanti	KD2BEB (T)
Herting	KD2BEC (T)
Ledtke	KD2BED (T)
McCormick	KD2BEE (T)
Zanni	KD2BEF (T)
De Blieck	N2FIU (G)
Grant	KA2JQP (G)
Merritt	N2UGR (G)
Strong	KC2TJS (G)
Weller	N2SZE (G)
Conaway	KD2DO (E)
Fell	K2SRF (E)
Rice	KA2ABA (E)
Uchal	W2RRN (E)

We are looking forward to our next test session on January 21st. The VE team offers regular test sessions on the **third Saturday of each month until April**, in Room 9-3139 at RIT. The final test session will be held at the 2012 Hamfest at RIT on June 30th. Should you have any questions on VE testing please contact me at ken@w2krh.com.



Here are some photos taken at the VE session held at RIT on November 19th. Photos courtesy of Bob Horner, KB2YEM...

RARA Licensing Classes

By Sue Waterstraat, KC2SUE

If you missed the fall licensing classes, you have another chance, and there's no time like the present to sign up! On Tuesday evenings, beginning January 3, 2012, the Technician Class License, General Class License and Extra Class License courses will be conducted at RIT from 6:30-8:30 PM. The Technician and General courses will be completed to coincide with the February 18th VE testing session. The Extra course will be completed in time for the March 17th test session.

Class space is limited, and reservations are highly recommended. These courses are FREE to current members and only \$15.00 for non-members. Not a current RARA member? Membership starts at only \$8.00! Click here for information on joining RARA:

<http://www.rochesterhamfest.org/Membership.htm>. For more information on classes, or to register for one, please contact me at suewater@rochester.rr.com, or by telephone at [585-582-1149](tel:585-582-1149).

Meeting Prizes!

Jay Hamill, KC2TCM
Sabrina Hamill, WD2STK

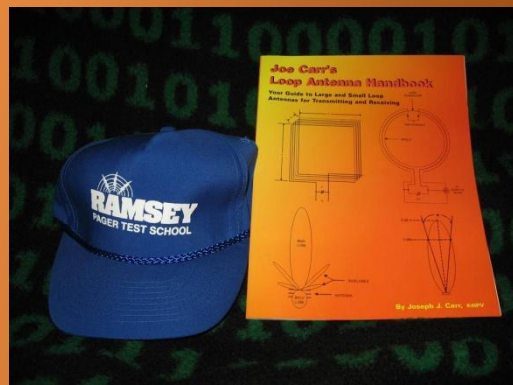
For January's Meeting, we've got something to keep you (or at least your favorite hot beverage) warm. A genuine Thermos insulated bottle and lunch bag. Our next prize is a combination laser pointer and LED flashlight along with a travel alarm clock. Rounding out the prizes for January we have a "vintage" Ramsey hat and a copy of Joe Carr's *Loop Antenna Handbook* donated by the folks at Universal Radio.

RARA Winterfest!

By Gary Skuse, KA1NJL

As the time is growing nearer and the weather is getting colder I am starting to get excited about the **RARA Winterfest** scheduled for **Saturday February 11th, 2012**. In addition to the Crockpot Cook Off, which is bound to provide lots of great food to keep us warm and well fed, we will have several operating positions set up for K2R. So far several members have offered to bring HF stations for sideband and digital operating, we will have a packet station demonstrating APRS and there will likely be other auditory and visual treats extracted from the RF spectrum to keep us entertained. Personally I am thinking about bringing an ADS-B receiver so we can watch plots of planes flying overhead but anything radio-related that you would like to share will certainly be welcome.

If anyone is interested in bringing a station or their favorite operating mode to share with the others please contact me by e-mail at ka1njl@arrl.net or by telephone at 585.223.1511 and let me know what you have in mind. Of course the magnitude of the fun quotient of this event will be proportional to participation. Within reason and within the bounds of electromagnetics, I anticipate that more participation will equal more fun for all. This event should be enjoyable whether you operate with us, watch us operate or simply join us for the food and the warmth. Please do join us for a day of radio fun and great food.



New TV Show: Hamnation

Jay Hamill, KC2TCM

Ever wish there was a TV show all about Ham Radio? Welcome to Hamnation! Produced by Hams, and featuring hams from all over, this show is fantastic. No, you're not going to find it on cable or satellite, you're going to have to watch it using your Internet connection or smart phone. The web address is <http://twit.tv>. The TWiT network focuses on various aspects of technology, the Internet, and electronics. Leo Laporte, W6TWT, is no stranger to technology television. He used to be the host of several shows on ZDTV and TechTV. Call for Help and The Screensavers were two of many shows that launched his TV career.

Over the years, ZDTV and TechTV turned into G4TV, which turned its focus towards video games. Now Leo runs the TWiT.tv network, and does his netcast over the web. There is always a live stream running, and you can often see behind the scenes video, as they generally keep the cameras running between shows. When you watch the live feed, there is also an IRC chat room that the hosts of various shows monitor for feedback from the audience. You can really interact with them in real time. This is one of the best features of watching Hamnation, you get to add to the show! The regulars on the show are Bob Heil, K9EID, Gordon West, WB6NOA, and George Thomas, W5JDX. They also have guests on the show every week, and often go out to various events, stores, shacks and shows! The live show is on Tuesdays at 9:00 PM Eastern. If you'd like to watch previous episodes, they're available at <http://twit.tv/hn> all nice and neatly edited, ready for downloading. You'll usually find me in the IRC chat most Tuesdays during the show, and I try to check into the two HF nets near 14.282, and 7.206. The exact frequencies will be thrown around the IRC channel, as well as mentioned near the end of the show. Be sure to tune in!

On to some good news about Rochester's own **Goldcrest Electronics**! They now have Saturday Hours, open from 9:00AM until 3:00PM. I stopped in and discussed carrying Ham Radio inventory. So far, he's looking into getting some Anderson powerpoles in stock soon, and I'll be looking for input from everyone about what they'd like to see Goldcrest carry in stock!

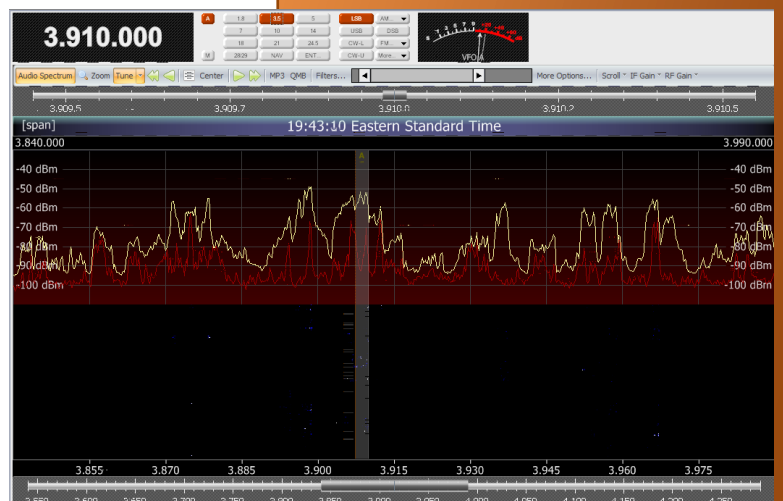


Ham Tech: SDR Radio

By Duane Fregoe, K2SI

SDR-RADIO.com is a Windows console for Software Defined Radio (SDR) receivers and transceivers. This software is the creation of Simon Brown (HB9DRV) who is also the creator of Ham Radio Deluxe software. As many of you already know, Simon sold his interest in Ham Radio Deluxe so that he can devote his full attention to software defined radios. To have some fun with this program you do not have to own a receiver such as RFSpace or the SoftRock. Many SDR owners have made their radio available for receiving over the internet. You can select bands, tune the remote radio, adjust filters, and play with many other options.

With this software there are no big knobs to spin and you control the frequency by just pointing and clicking with your mouse. The scroll wheel on the mouse is as close as you get to a big knob. You can download the software at <http://sdr-radio.com/>. SDR is becoming very popular and here is a free chance to sample it for yourself!





RARA ACADEMY #4

Open to all new ham radio operators and anyone thinking about joining the fun. Bring a friend. Door prizes to be given away. **ALL FREE**

DATE: SATURDAY, January 14, 2012

TIME: 9:00 AM – 11:00 AM (Registration: 8:45 AM)

LOCATION: RIT CAMPUS, JEFFERSON ROAD
BUILDING #9, ROOM #3139 (Ham License Testing Room)

RSVP: Please send your name, call sign if you have one, and email address to Duane Fregoe, k2si@arrl.net. If you cannot make this session but would like info on future sessions please send the same info and note that you cannot make this one. Future notices will go out via email, the web site, and RARA Facebook page.

SCHEDULE:

9:00 AM – 9:30 AM

“IRLP”

IRLP stands for “Internet Radio Linking Project”. After a brief history on IRLP we will show how to navigate the IRLP web site to search for local connection points and find connection points to anywhere in the world. There is even a plug-in for Google Earth. We will explain the difference between a “node” and a “reflector”. We will have demonstrations using a handheld to connect to node and reflector sites around the world. There is even some etiquette for using IRLP.

9:30 AM – 9:40 AM

BREAK

9:40 AM – 10:10 AM

“ECHOLINK”

EchoLink is another form of VOIP communication for hams. EchoLink can be accessed with a radio, computer, iPod Touch, or smart phone. After a brief history on EchoLink we will show how to setup the EchoLink program. There is even a plug-in for Google Earth. We will explain the difference between a User, Links, Repeaters, and Conferences. There will be demonstrations using a handheld, computer, and iPod Touch to connect to EchoLink sites around the world. If you have an iPhone or Android phone, load the Echolink app and bring it to this session.

10:10 AM – 10:20 AM

BREAK

10:20 AM – 11:50 AM

“OTHER INTERNET RADIO”

We will review other Internet radio options that are available. Though not as well-known as IRLP and Echolink they can be a fun alternative. Programs to be reviewed include QsoNet, Hamsphere, eQSO, and InterACE.

10:50 AM – 11:00 AM

WRAP-UP

This event is being hosted on behalf of K2GXT, the RIT Amateur Radio Club. This **FREE** event is sponsored by the Rochester Amateur Radio Association.

SKYWARN Recognition Day 2011

SKYWARN Recognition Day 2011 was held on December 3rd. Ham radio operators from Western New York were allowed to get on the air from the National Weather Service (NWS) Office in Buffalo with the call WX2BUF. This is a 24-hour special event that can use local repeaters, Echolink, IRLP, PSK-31, and the HF bands for contacts.

The NWS in Buffalo made a total of 518 contacts of which 65 were with other NWS offices across the country. Contacts were made in 47 states and with 10 DX stations. There were over 100 NWS sites scheduled to participate in the event this year. Bill Kasperkoski (WB2SXY), Pam Kasperkoski (W2PHK), Jeff Weller (N2SZE), Henry Smith (KD2AZH) and myself (K2SI) were participants from the Rochester area. Congratulations to KD2AZH who passed his general test 4 days after this event. Henry was doing a fine job on the HF bands in Buffalo for a new ham.

Public Service 2011

By Duane Fregoe, K2SI
RARA Public Service Coordinator (Retiring)

Public Service events for 2011 are now complete. Many thanks to all that captained an event for the hours spent in meetings, making phone calls, sending emails and to all those who participated this year. Public Service is only successful due to all the volunteers that gave of their time to participate and assist an organization that needed our talents.

I have put together a recap of the events that we participated in for 2011. It notes the number of hams that participated in the event and the total ham-man hours expended for the event. If a ham worked an event over multiple days it count as one in the ham count but the man hours would be cumulative over the entire event for that person.

EVENT	# of HAMS	MAN-HOURS
Tour de Cure	39	312
Genesee Valley Hunt Horse Trials	12	93
Walnut Hill Farm Driving Competition	17	230
AIDS Rochester Red Ribbon Ride	3	20
Rochester Marathon	22	154
Barktoberfest	19	105
Fairport Lift Bridge Regatta	6	36
Jamboree on the Air	7	56
Walk for Diabetes	3	12
NYS Thruway Pumpkin Patrol	28	220
TOTAL	156	1238

How does this year compare to previous years? The next chart shows a comparison of the last 4 years.

YEAR	EVENTS	# of HAMS	MAN-HOURS
2008	14	181	1407
2009	12	182	1474
2010	10	178	1441
2011	10	156	1238

Scanning Report— Chasing Lo-Band Skip

By Jim Sutton, N2OPS

Now that you've spent a great month listening to the California Highway Patrol via F2 skip it's time to try for more F2 challenges. In between the familiar public safety bands in the 29.7-50 MHz low band you will find some great federal listening from around the world. With many active frequencies in the lowest portions of the band we have great listening even on minimal days. As the MUF climbs the variety will increase. Fort Hood, Texas Range Control on 30.45 is a popular frequency to monitor and usually the first to come in when F2 skip starts.

While nearly all of our federal scanner frequencies in the VHF high band and UHF bands are encrypted, nearly all low band federal listening is in the clear. Virtually all military communications are FM and use the CTCSS tone of 150.0 Hz. Interestingly scanner manufacturers do not incorporate this common tone in scanners. The closest tone is 151.4 Hz. Communications include airfields, range control, convoys, infantry training, heliports and NATO forces.

Remember F2 reception is 2000 miles+ during daylight hours with earlier hours bringing in signals from across the Atlantic and later in the day till sunset bringing in the west coast as well as Central and South America. And of course there is always multiple hop skip on good days.

The following federal list is compiled from many listener reports from around the world. These frequencies are used by US and Canadian forces worldwide so it may take some work to tell the source of the signals. Using the MUF map with the link below will be a help.

Be sure to save this list for the Sporadic E season as there are many stations in the 600-1500 mile range as well.

Low Band Military Radio

http://vhf-military-tactical-radio.at-communication.com/en/at/tacticalmanpack_vhfradio_prm3088.html

Real Time MUF Map

<http://www.spacew.com/www/realtime.php>

SNOTEL Alaska

<http://www.wcc.nrcs.usda.gov/snotel/Alaska/alaska.html>

SNOTEL Western US

<http://ftp.wcc.nrcs.usda.gov/snow/>

Solar Ham

<http://www.solarham.com/>

Yahoo Group VHF Skip 29-50+

<http://groups.yahoo.com/group/vhfskip/>

We've been waiting a long time for the sunspot peak and it is here now! Fill those scanner channels and search ranges and hear the world.

Until next time 73 to thee.



Low Band Federal Users

30.000	US Mil
30.025	US Mil
30.050	US Mil
30.100	US Mil Airfield Range
Control	
30.175	US Mil
30.200	US Mil
30.250	US Mil
30.300	US Mil Convoy
30.325	US Mil
30.350	US Mil
30.450	Ft Hood Range Control
30.500	US Mil-heavy activity
30.550	US Mil
30.800	US Mil
31.000	US Mil
31.300	US Mil Range Control
31.700	Canadian Mil
32.000	US Mil
32.025	US Mil
32.125	US Mil
32.150	US Mil Range Control
34.200	US Mil
32.225	US Mil
32.300	US Mil Convoy
32.325	US Mil
32.350	US MIL Helos
32.400	US Mil
32.450	US Mil
32.475	US Mil Airfield
32.500	US Mil Convoy
32.550	US Mil
32.650	US Mil
32.675	US Mil
32.700	Fire
32.825	US Mil
32.850	US Mil
32.875	US Mil Convoy
33.000	US Mil
33.175	US Mil
34.000	US Mil
34.150	US Mil
34.175	US MIL – Inf. training
"Gunslinger"	
34.200	Camp Bullis Range
34.375	US Mil
34.450	US MIL
34.500	Ft. Still Range Control
34.550	US Mil
34.810	US Fish Wildlife Svc
34.830	US Fish Wildlife Svc
34.850	US Mil Air
34.900	US Mil Medevac
35.000	US Mil
35.675	US Mil
36.050	US Mil Airfield
36.100	US Mil
36.150	US Mil
36.300	US Mil Convoy
36.400	US Mil
36.475	US Mil
36.600	US Mil
36.650	US Mil
36.900	US Mil Helos
37.950	US Mil
38.000	US MIL
38.100	US Mil
38.300	US Mil
38.350	US Mil Range Control
38.450	US Mil
38.500	US Mil Range Control
38.750	US MIL
38.775	US Mil "Gunslinger 11"
38.800	US Mil
38.900	US Mil Range Control

RARA Rags of the Past

By Ed Gable, K2MP
RaRa Historian

20 Years Ago, January, 1992

Writing for the first RaRa program for the new year was VP Lloyd Caves, WB2EFU. Lloyd invited all to join in a bit of local history with the topic being the start of WHAM and WVOR, by the then transmitter Supervisor Eric Melenbacker. This unusual two-event schedule had Eric providing a slide talk at the regular RaRa meeting, followed by an on-site visit of the studios at Midtown Plaza the following Thursday evening.

Lloyd also wrote telling of the great success of RaRa's 60th anniversary celebration of ARRL affiliation. Atlantic Division Director Hugh Turnbull, W3ABC, presented a plaque to RaRa President Peter Secrist, WB2SUN. There was a special Kodak moment when AWA Museum Curator Bruce Kelley, W2ICE, produced the original, 60 year old, affiliation certificate signed by ARRL founder Hiram Percy Maxim, W1AW.

Robert O'Connell, NF2Z, writing for a small but active local radio group, the Division IV Coast Guard Auxiliary radio net, posted a schedule and list of NCS stations. There was a truism 20 years ago that went "if you see an article by Fred Gern, KB2SE, read it, it'll be good stuff!" Usually writing for the RDXA, this time Fred wrote giving great hints on operating the popular ARRL January VHF Contest that was (and is), hotly contested by the Rochester VHF Group. This article is still good reading today.

The RaRa VE testing team reported that the last session of the year saw three new hams and two upgrades successfully going thru the session. It was further reported that the 1992 testing fee would be \$5.40. With regret it was reported that Millard Judd, KC2EA, was reported as a Silent Key. From the Want Ads you could buy A Kenwood TS-440 from Lt. Col. Jonathan Clark, USAF Retired, K4YOT. A new commercial advertiser was M. Ornstein (WB2YYB) Contracting, specializing in roofing and gutter work.

40 Years Ago, January, 1972

The program announcement this issue was written by Joe Hood, K2YAH, who informed that an interesting film, based on radio communications used in firefighting, would be presented by the Rochester Fire Department. A first time venue for RaRa (one that would be used many times in the future) was the Police and Fire Training Academy on Scottsville Road. With this issue RaRa announced a real low-tech solution to notifying members that their dues payment was late-- just look for the dab of magic marker on your mailing label.

RaRa's eleventh annual Dinner-Dance was announced. This special night brought a prime rib dinner, entertainment by WHAM's Eddie Dunn, W2ECH, followed by dance music with Bob Marshall and his orchestra.... all for six dollars. Helen Smith, WA2YRH, was handling the registration. Ed Gable, W2MPM, writing for the RRRR, reported that FM'ers are hearing unusual signals on their sets as 146.70 is being used for MCW for those wanting to chat or just do some code practice. A little up the band will find Charlie, K2LDU and Bob, W2NVZ, involved in amateur television work.

John Lucas, WA2BEH, writing for the Rochester VHF Group, reported that Chuck Oneske, K2YCO, is working good DX on 1296 Mc on a regular basis. Local VHF'er Mel Wilson, W2BOC (W1DEI) was recently awarded the John T. Chambers, W6NLZ, Memorial Award, recognizing his many years of studying and demystifying the wonderful world of 50 Mc propagation.

Low Band Federal Users (cont.)

39.600	US Mil
40.000	US Mil
40.200	US MIL - "Sierra 16"
40.250	US Mil
40.350	US Mil
40.400	US Mil
40.530	SNOTEL Western US
40.670	SNOTEL Western US
40.800	Range Control
40.825	US Mil
40.875	US Mil
40.900	Military traffic
49.950	Range Control
41.000	US Mil Helos
41.050	US Mil Range Control
40.175	US Mil
41.500	US Mil Flight Op
41.530	Snotel
41.575	US MIL
41.700	US Mil
41.750	US Mil
41.800	Range Control
41.950	USAF
42.400	SNOTEL Alaska
42.650	NATO Range Control
44.100	SNOTEL Alaska
45.000	US Mil Convoy
46.000	US Mil
46.800	US Mil
49.325	US Mil Helo
49.625	US Mil

73 Magazine: Back Issues Online

73 Magazine was a popular ham journal published from 1960 to 2003. From a recent posting on QRZ.com comes word that the magazine can be viewed or downloaded for free at the Internet Archive:

www.archive.org/details/73-magazine

If you've been wanting to read some of those famous Wayne Green editorials (along with great construction articles), here is your chance! A variety of viewing formats are supported, including PDF.

News from our friends at other area clubs...

Editor's Note: Free press is available for your club! We welcome brief updates and meeting notices from all area ham clubs. Just send your input to editor@rochesterham.org. When preparing your article, please remember to keep it short, and assume that readers know nothing about your club. The article should be focused toward non-members, and not your own current members... that's what your own newsletter is for! We hope all area clubs will take advantage of this opportunity to interest new members in joining their ranks. 73, –Kevin

Interlock Rochester

By Walter Dutcher, P.E. N2ZVP

I wanted to let Rochester hams know that the Interlock Rochester club station is officially on the air! It's been a while coming, but we are all excited to be working on HF/VHF/UHF from the club station **K2HAX**. I posted a blog article on the Interlock website of our progress. Please visit <http://interlockroc.org/> for this and other information on our activities. We are currently on a membership drive and think our mission and Ham Radio go very well together!

Monroe County ARES / RACES News

By Jim DiTucci, N2IXD

Monroe County Amateur Radio Emergency Service, Inc. holds its meetings on the fourth Thursday of each month. All ARES / RACES members and non-member Amateur Radio Operators are welcome and encouraged to attend.

The next ARES Meeting will be held on: **Thursday, January 26, 2012, at 7:00 PM.** Meetings are held at the **Greater Rochester Chapter of the American Red Cross HQ, 50 Prince Street, Rochester, NY 14607.** (Located behind the Rochester Auditorium Theatre, 885 Main St. E.)

ARES NET: Monroe County ARES/RACES meets on the air every Thursday of the month at 9:00 pm, on the 146.61 MHz. (-) 110.9 Hz PL repeater. The only exception to that are nights when we hold our regular meeting, generally on the 4th Thursday of the month.

NBEMS: Want to learn about Narrow Band Emergency Messaging System (NBEMS)? It's the latest and easiest way to "Go Digital!" Bring your laptop computer and 2m handheld transceiver. We will conduct an NBEMS clinic after every meeting through June 2012.

As always, stay in touch with Monroe County ARES/RACES –
www.monroecountyemcomm.org



The Amateur's Code

Originally written by Paul M. Segal, W9EEA (1928)

The Radio Amateur is:

CONSIDERATE	Never knowingly operating in such a way as to lessen the pleasure of others.
LOYAL	Offering loyalty, encouragement and support to other amateurs, local clubs and the American Radio Relay League, through which Amateur Radio in the United States is represented nationally and internationally.
PROGRESSIVE	With knowledge abreast of science, a well built and efficient station, and operation beyond reproach.
FRIENDLY	With slow and patient operation when requested, friendly advice and counsel to the beginner, kindly assistance, co-operation and consideration for the interests of others. These are the hallmarks of the amateur spirit.
BALANCED	Radio is an avocation, never interfering with duties owed to family, job, school or community.
PATRIOTIC	With station and skill always ready for service to country and community

Visit the RARA Website!

Did you know that your club's website (www.rochesterham.org) offers these features and more?

- ✓ Photos of meetings & events (you might be in there!)
- ✓ Info on upcoming meetings/programs
- ✓ Rochester Hamfest information!
- ✓ Online membership & renewal
- ✓ Track and redeem your Reward points
- ✓ Public service info & sign-up
- ✓ VE testing info
- ✓ Back issues of the *Rag* in PDF
- ✓ Officer contact info
- ✓ List of past presidents (how many do you remember?)
- ✓ Online membership directory
- ✓ Order RARA logo products (hats, shirts, and mugs)
- ✓ Useful Internet links
- ✓ Ham Radio 101—tons of tutorial info, plus net & repeater listings

For Sale

Hustler 5-Band Trap Vertical Antenna.
Contact **Dave, KA2BOK** at
(585) 334-9736.
All proceeds to be donated to RARA.



THE RARA MARKET PLACE

Your commercial ad could be here! The RARA Rag can help spread the word on your business at very reasonable rates. Contact us for details at editor@rochesterham.org.

'Twas the night before Christmas,
when all through the house
Not a creature was stirring,
not even a mouse.
My wife was in bed, my teenager texting,
And I was all snug in my shack, still DXing.



When out on the lawn there arose such a clatter,
I ran to the window to see to the matter.
Obviously I had caused a dilemma
Rudolph ran into my Light Beam Antenna!

I grabbed a red light off my tree and went out,
Gave my apology and fixed Rudolph's snout.
The antenna was fine up there on my roof
I knew it was strong, but now I had proof!

That, my good friend, is the end of the story
Of my Light Beam Antenna and I know it sounds corny
But I hope that it made your day merry and bright
Happy Holidays to all! And to all, a good night!

73,
the Light Beam Antenna Team

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RaRa Hotline (585) 210-8910

Website: www.rochesterham.org

OFFICERS:

President: Frank Schramm, WB2PYD 267-9278
wb2pyd@arri.net
Vice-President: Bill Marinucci, WB2GHC 889-9008
wb2ghc@arri.net
Secretary: Len Crellin, KC2PCD 267-9805
kc2pcd@rochester.rr.com
Treasurer: Ken Hall, W2KRH 289-3801
ken@w2krh.com

BOARD OF DIRECTORS:

Jim DiTucci, N2IXD 426-7956
n2ixd@arri.net
Duane Fregoe, K2SI 594-4945
k2si@arri.net
Bill Kasperkoski, WB2SXY 381-6553
wb2sxy@arri.net
Ross Mazzola, KC2LOC 247-8323
kc2loc@arri.net
Gary Skuse, KA1NJL 223-1511
ka1njl@arri.net

DEPARTMENT HEADS:

Awards / Raffle Administrators Jay Hamill, KC2TCM
..... Sabrina Hamill, WD2STK
Club Historian Ed Gable, K2MP
Club Station Trustee Jim DiTucci, N2IXD
Education Coordinator Sue Waterstraat, KC2SUE
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RaRa meets on the first Friday of each month
from September through May. Come join us at:

Henrietta Fire Company No.1
3129 East Henrietta Rd.
Henrietta, NY 14467

[Get Directions](#)

Rochester Area Radio Club Contacts

Antique Wireless Association (AWA)

Lynn Bisha, W2BSN lbisha@rochester.rr.com

Drumlins Amateur Radio Club Ltd. (DARC)

Rich Hamill, KC2TNJ tinker@rochester.rr.com

Fisherman's Net Amateur Radio Club

Jim Sutton, N2OPS jim@otrym.org

Genesee Valley Amateur Radio Assn

Bill Boyd, N3DSP N3DSP@lafireline.net

Monroe County ARES

Jim DiTucci, N2IXD n2ixd@arri.net

Rochester Amateur Radio Association (RaRa)

Frank Schramm, WB2PYD wb2pyd@arri.net

Rochester DX Association (RDXA)

Paul Kolacki, K2FX usafpilot@rochester.rr.com

Rochester Radio Repeater Association (RRRA)

Brad Allen, KB2CHY kb2chy@frontiernet.net

Rochester VHF Group (RVHFG)

John Stevens, WB2BYP wb2byp@arri.net

Squaw Island Amateur Radio Club (SIARC)

Steve Benton, WB2VMR sbenton2@rochester.rr.com

XEROX Amateur Radio Club (XARC)

Ned Asam, W2NED w2ned@frontiernet.net

February Rag Deadline
January 15, 2012

